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**RESPONSE UNDER 37 C.F.R. 1.116 - EXPEDITED
PROCEDURE - EXAMINING GROUP 2621**

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No.: 09/531,262 Confirmation No.: 4992
Applicant(s): Iosif Zeylikovich, et al.
Filed: March 17, 2000
Art Unit: 2621
Examiner: H. Akhavannik
Title: METHOD AND APPARATUS FOR DETECTING
AN ABNORMALITY WITHIN A HOST MEDIUM
UTILIZING FREQUENCY-SWEPT MODULATION
DIFFUSION TOMOGRAPHY

Docket No.: 042678/195284
Customer No.: 00826

Mail Stop AF
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

August 17, 2005

**AMENDMENT AFTER FINAL ACTION
PURSUANT TO 37 C.F.R. § 1.116**

Sir:

In response to the Official Action dated May 17, 2005, please amend the above-identified application as follows:

Amendments to the Claims are reflected in the listing of claims beginning on page 2 of this paper.

Remarks begin on page 9 of this paper.